

Figure 15. Nucleotide Sequence for CG106318-01.

>CG106318-01 4810 nt

GTCCATGGGCCGATGTATGGGAGATGAATGTGGTCCCAGGGCATCCAAACGAGGGCTG
 TGTGGTGTGCTCATGTGGAGGGATGGACTACACTGCATACTAAGTCAGCAGGCCGAGA
 GACCCAATAACCAGCAGAATTGTTCAAAGTTGCGATGGCACAAAGAGTTGACACT
 GGAGACTGGGACCTTGAATCAGTGTCAAGCCCTGATTCAAAAAGCTAGAGAAACCTC
 TTGAGTCATTAAGGGGAAGAAGGTATTAGGTGAGGGAGATAGCGTGATCCAGAAAAG
 ACAAAAGACATTCTGCGGAGGATATCATCTGTGAGTACTTGTGAGCCAAGCCTCTCCTGG
 AGCAGGGCTGCCATTCTGCCAGCAAGATTGATCTGTGCTGAATTCTGCGCTGGT
 CCGAATGCTCCAAGACCTCGCGCAGCGGGCTCCAGCACCCGGACCGCTCATGTGGTGGCGC
 CCCCGCAGTTGGAGGCTCTGGCTGTCCAAACCTGACGGAGTTCCAGGTGTGCCAATCCA
 GTCCATGCGAGGCCGAGGAGCTCAGGTACAGCCTGCATGTGGGCCCTGGAGCACCTGCT
 CAATGCCCACTCCGACAAGTAAGACAAGCAAGGAGACGCCGGAAAGAATAAAGAACGGG
 AAAACGACCCGAGCAAAAGGAGTAAAGGATCCAGAACGGCGAGCTTATTAAAGAAAAAGA
 GAAACAGAACACGGCAGAACAGAACAGAACAAATTGGGACATCCAGATTGGATATC
 AGACCAAGAGAGGTTATGTGATTAACAAGACGGGAAAGCTGCTGATTTAACGTTTGCC
 AGCAAGAGAAAGCTTCAATGACCTTCAGTCTGTGATCACCAAGAGTGCCAGGTTT
 CCGAGTGGTCAGAGTGGAGCCCTGCTCAAAACATGCCATGACATGGTGTCCCCGTGAG
 GCACCTGTAAGGACACGAACCATCAGGAGTCCATTGGCAGTGGCAGTGGAGATGTC
 CAGAATTGAAGAAAAGAACCTGTGTCAGGAGATGGAGTTGTCCCCGTGCCA
 CGTATGGCTGGAGAACTACAGAGTGGACTGAGTGGCTGTGGACCCCTTGCTCAGTCAGC
 AGGACAAGAGGCCGCGCAACCAGACGCCCTCTGTGGAGGGGAGATCCAGACCCGAGAGG
 TGTACTCGGTGCAAGGCCAACGAAAACCTCTCACAATTAAAGTACCCACAAGAACAAAG
 AAGCCTCAAAGCCAATGGACTTAAATTATGACTGGACCTATCCCTAAACTACACAGC
 TGTGCCACATTCTTGTCCAACCTGTAATGACTGCAAGGGAAAAAAAGCTTAACTGAGGAAGC
 GCATTACCAATGAGCCACTGGAGGCTCTGGGTAACCGGAAACTGCCCTACTTACTGG
 AAGCCATTCCCTGTGAAGAGCCCTGGCTTATGACTGGAAAGCGGTGAGACTGGAGACT
 GCGAGCCAGATAACGGAAAGGAGTGTGGCTCAGGACAGCAAGTTCAGAGGGTTGTGCA
 TCAACAGTGATGGAGAAGAGTGTACAGACAGCTGTGCAAGAGATGCCATCTCCCCATCC
 CTGTGGCTGTGATGCCCATGCCGAAAGACTGTGTGCTCAGCACATGGTCTACGTGGT
 CCTCTGCTCACACACCTGCTCAGGGAAAAGACAGACAGAAGGGAAACAGATACTGAGCACGAT
 CCATTCTGGCCTATGGGGTGAAGAAGGGATTGCTGTCACAGTGGCAGTGGCTTTC
 AAGAAGTACGAAGCTGTAATGAGCTCTTGTGCAAGTGTACACTGGCAAACACTGGTCCCT
 GGGCCAGTGATTGGAGCACCTCAGTATGTCCTTCAACAAACACGACTGGATTTGAATG
 GGGAGGCTCTGCTGTGCGCATGCAGACAAGAAAAGTCATCTGTGCGAGTCATG
 TGGGCAAGTGGGACCCAAAAATGCTGTAAGGCTTCAGCTGAAACTGTAAGGCCTT
 GTCTGCTCTTGTGTAAGAAGGACTGTATTGTGACCCCATATACTGACTGGACATCATGCC
 CCTCTTGTGTAAGAAGGGGACTTGTGCAAGCTTGTGCAAGGAGCAGTCTAGGCATCGGGTCA
 TTCAGCTGCCAGCCACGGGGGCCAGACTGCACAGTCCCCCTCATGAAGAGAACGGCT
 GTGAGGGACCTCAAGCGTGCACAAAGCTACAGGTGGAAAGACTCACAATGGCGCAGATGCC
 ATTAGTCCCTGGAGCGTGCACAAGACAGCCCTGGAGCACAGGAAGGCTGTGGCCTG
 GGCAGCAGGCAAGAGGCCATTACTGTGCGCAAGAAGATGGAGGACAGGCTGGAATCCATG
 AGTGCCTACAGTATGCAAGCAGCTGGTCAAGTTCTCATGCAATGGAGACTGTGGT
 AGGATGACTGTCAATTGACCAAGCTGGTCAAGTTCTCATGCAATGGAGACTGTGGT
 CAGTTAGGACCAGAAAAGCGCACTTTGTTGGAAAAGTAAAAGAAGGAAAATGAAAA
 ATTCCCATTGTATCCCTGATTGAGACTCAGTATTGTCTTGTGACAATATAATGCAC
 AACCTGTGGGAAACTGGTCAAGTGTATTACACAGGGAAAAGTGGAAAGTGTGCTGG
 GAATGAAAGTACAAGGAGACATCAAGGAATGCGGACAAGGATCTGTTACCAAGCAATGG
 CATGCTACGATCAAATGGCAGGCTTGTGAAACATCTAGATGTAACAGCCATGGTTACA
 TTGAGGAGGCCCTGCATCATCCCCCTGCCCTCAGACTGCAAGCTCAGTGAGTGGCTCAACT
 GGTGCGCTGCAGCAAGTCTGTGGAGTGGTGTGAAGGTTGTTCTAAATGGCTGCC
 AAAAACATATAATGGAGGAAGGCCCTGGCCCAAAGTGGACCATGTCACCCAGGCC
 TGTATGGAGTTGTCCCATGCCACAGTCACTGCAACAGTACCTATGGTCAAGAGGCC
 GGAGCATCTGCAAGGTGACCTTGTGAATATGCGGGAGAACTGTGGAGAGGGCTGCAA
 CCCGAAAAGTGGAGATGCACTGCAAGAACAGCAGATGCCCTCTGAACATGTAGAGGATT
 ACCTCTGTGACCCAGAAGAGATGCCCTGGGCTCTAGAGTGTGCAAATTACCATGCC
 AGGACTGTGTGATATCTGAATGGGGCTCATGGACCCATGTGTTTGTGCTTGC
 GCAGTTCCGGCAAAGGTGAGCTGATCCCATCAGACAACAGCTGATGAAGGAAGATCTT
 GCCCTAATGCTGTTGAGAAAAGAACCTGTAACCTGAACAAAATGCTTACCAACTATGATT
 ATAATGTAACAGACTGGAGTACATGTCAGCTGAGTGTGAGAAGGAGCTTGTGAAATGGAA
 TAAAAACAGGATGTTGGATTGTGTTGAGAAGAACGGCAGATGAACACGTCCTGCATGGTGGAA
 GTGAAGCGCTGGCTTGGAGAAGAACGGCAGATGAACACGTCCTGCATGGTGGAAATGCC

CTGTGAACGTGTCAGCTTCTGATTGGTCTCCTGGTCAGAACATGTTCTCAAACATGTGGCC
 TCACAGGAAAATGATCGAAGACGAACAGTGACCCAGCCCTTCAGGTGATGGAAGAC
 CATGCCCTCCCTGATGGACCAGTCCAAACCCCTGCCAGTGAAGCCTGTTATCGGTGGC
 AATATGGCCAGTGGTCTCCATGCCAAGTGCAGGAGGCCAGTGTGGAGAAGGGACCAGAA
 CAAGGAACATTTCTTGTGACTAAGTGTGGTCAGCTGATGATTTCAAGGAAAGTGGTGG
 ATGAGGAATTCTGTGCTGACATTGAACTCATTATAGATGGTAATAAAATATGGTCTGG
 AGGAATCCTGAGCCAGCCTGCCAGGTGACTGTTATTGAAGGACTGGTCTCCTGGA
 GCCTGTGTCAGCTGACCTGTGTAATGGTAGGGATCTAGGCTTGGTGGAAACAGGTCA
 GATCCAGACCGGTGATTATAAGAACTAGAGAACATCAGCATCTGTGCCAGAGCAGATGT
 TAGAAACAAAATCATGTTATGATGGACAGTGTGCTATGAATATAATGGATGGCCAGTGCTT
 GGAAGGGCTCTTCCCAGTGTGGTCAAAGGTGACATGGTATAATGTAACAGGGG
 GCTGCTTGGTGTAGGACAGCCTGATGCCAGGGCTTGTAAACCCACCGTAGTCAAC
 CCCACTCGTACTGTAGCGAGACAAAAACATGCCATTGTGAAAGAAGGGTACACTGAAGTCA
 TGTCTCTAACAGCACCCCTGAGCAATGCAACTTATCCCCGTGGTGGTATTACCCACCA
 TGGAGGACAAAAGAGGAGATGTGAAACCAAGTGTGGGCTGTACATCCAACCCCAACCCCTCCA
 GTAACCCAGCAGGACGGGAGGACCTGGTTTACAGCCATTGGGCCAGATGGGAGAC
 TAAAGACCTGGGTTACGGTGTAGCAGCTGGGCACTTGTGTTACTCATCTTATTGTCT
 CCATGATTATCTAGCTGCAAAAAGCAAAGAAACCCAAAGAAGGCAAACAAACCGAC
 TGAAACCTTAACCTAGCCTATGATGGAGATGCCGACATGTAACATATAACTTTCTG
 GCAACAACCA (SEQ ID NO: 40)

Protein Sequence for CG106318-01 ORF Start: 18 ORF Stop: 4782 Frame: 3

Protein Sequence:

>CG106318-01-prot 1588 aa
 MGDECAGGGIQTAAVWCAHEGWTLHTNCKQAERPNQQNCFKVCDWHKELYDWRLGPW
 NQCQPVISLKSLEKPLECIKEEGIQVREIACIQKDKDIPADEIDIEYFEPKPPLQEACLI
 PCQQDCIVSEFSAWSECSKTCGSSLQHTRRHVAPPQFGSGCPNLTEFQVCQSSPCEAE
 ELRYSLHVGPWSTCSMPHSRQRVRQARRRGKNKEREKDRSKGVKDPEARELIKKRNRNRQ
 NRQENKYWDIQUIGYQTREVMCINKTGAADLSFCQQKEKLPMTFQSCVTKECQVSEWSEW
 SPCSKTCHDMVSPAGTRVTRTIRQFPICKECPEEEKEPCLSQGDGVVPCATYGWRT
 TEWTECRVDPLLSQQDKRRGNQNTALCGGGIQTREVYCVQANENLLSQLSTHKNEASKPM
 DLKLCTGPIPNTTQLCHIPCTECEVSPWSAWGPCTYENCNDQQGKKGFLRKRRITNEP
 TGGSGVTGNCPHLLEAPICEEPACYDWKAVALRGDCEPDNGKECPGTQVQEVCINSDGE
 EVDRQLCRDAIFPIPACDPCKDCVLSTWSTWSSCSHTCSGKTEGKQIRARSILAYA
 GEEGGIRCPNNSALQEVRSNCHEPCTVYHWQTGPWGQCIEDTSVSSFTTWNGEASC
 VGMQTRKVICRVNVGQVGPKKCPESLRPETVRPCLLPCKDCIVTPYSDWTSCPSSCKE
 GDSSIRKQSRHRVIIQLPANGGRDCTDPLYEEKACEAPQACQSRYWKTHWRRCQLVPWS
 VQQDSPGAQEGCGPGRQARAICRKQDGQGQAGIHECLQYAGPVPALTQACQIPCQDDCQL
 TSWSKFSSCNGDCGAVRTRKRTLVGSKKKKECKNSHLYPLIETQYCPCDKYNAAQPVG
 EKRWQMTSCMVCPVNCQLSDWSPWSECSQTCGLTGKMRIRRTVTQPFQGDGRPCPSLM
 IPCPSDCKLSEWSNWSRCSKSCGSVVKRSKWLREKPYNGGRPCPKLDHVNQAQVYEV
 CHSDCNQYLWVTEPWICKVTFVNMRNCNGEGVQTRKVRCMQNTADGPSEHVEDYLCDPE
 EMPLGSRVCKLPCPEDCIVSEWPWTQCVLPCNQSSFRQRSADPIRQPADEGRSCPNAVE
 KEPCNLNKCYHYDYNVTDWSTCQLSEKAVCGNIGKTRMLDCVRSDGKSVDLKYCEALGL
 EKNWQMTSCMVCPVNCQLSDWSPWSECSQTCGLTGKMRIRRTVTQPFQGDGRPCPSLM
 DQSKPCPVKPCYRWQYGGQWSPCQVQEAACQCGEGTRTRNISCVVSDGSADDFSKVV
 DEEFCA
 DIELIIDGNKNMVLEESCSQPCPGDCYLKDWWSSWLCQLTCVNGEDLGFGGIQVRSRPVI
 IQELENQHLCPEQMLETKSCYDGQCYEYKWMASAWKGSRTVWCQRSDGINV
 TGGCLVMS
 QPDADRSNCNPPCSQPHSYCSETKTCHEEGYTEVMSSNSTLEQCTLIPV
 VVLP
 MEDKRG
 DVKTSRAVHPTQPSNSPAGRGRTWFLQPFQPDGRLKTVYVAAGAFVLLIFVSMYLA
 CKKPKKPQRRQNNRLKPLTAYDGDADM (SEQ ID NO: 41)

Figure 16. Nucleotide and Protein Sequences for CG50817-04.

>CG50817-04 1447 nt

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GGGGACACCAGTGATGCTCCTGGGACCCCTACGCAATCTGCGCCTGCGTCTCATCAGTCGC
CCCACATGTAACTGTATCTACAACCAGCTGACCGAGCACACCTGTCCAACCCGGCCCGG
CCTGGGATGCTATGTGGGGCCCCCAGCCTGGGTGCAGGGCCCTGTCAAGGTCTGATAG
GGAGAAGAGAAGGAGCAGAAGGGAGGGGCTAACCTGGCTGGGGTTGGACTCACAG
GAATGGGGAAAGAGCTGCAATCAGAGGGTGTCTGCCATAGCTGGCTCAGGCATCTGTC
CTTGGCTTGTGCTGGCTCCAGGGAGATCCGGGGCCCTGTGCTGTGCTCGAGCCT
GACGGACACTGGGTCAGGCTGGCATCATCAGCTTGCACTCAAGCTGTGCCAGGAGGAC
GCTCCTGTGCTGACCAACACAGCTGCTCACAGTTCTGGCTGAGGCTGAGTTCA
GGGGCAGCTTCTGGCCAGAGCCCAGAGACCCGGAGATGAGTGTGAGGACAGCTGT
GTAGCCTGTGGATCCTTGAGGACAGCAGGCTCCCAGGCAGGAGCACCCCTCCCATGGCC
TGGGAGGCCAGGCTGATGCACCAGGGACAGCTGGCCTGTGGCGAGCCCTGGTGTCA
GAGGCGGTGCTAACTGCTGCCACTGCTTATTGGGCGCCAGGCCAGAGGAATGGAGC
GTAGGGCTGGGACCAACCGGAGGAGTGGGCTGAAGCAGCTCATCCTGCATGGAGCC
TACACCCACCCCTGAGGGGGCTACGACATGGCCCTCTGCTGCTGCCAGCCTGTGACA
CTGGGAGGCCAGCCTGCGGCCCCCTGCCTGCCATGCTGACCACCCCTGCCATGGG
GAGCGTGGCTGGGTTCTGGGACGGGCCAGGAGCAGGCTCAGCTCCCTCCAGACA
GTGCCCCTGACCCCTCTGGGCCTAGGGCTGCAGCCGGCTGCATGCAGCTCTGGGGT
GATGGCAGCCCTATTCTGCCGGGATGGTGTGACAGTGTGCTGGGTGAGCTGCCAGC
TGTGAGGCCAACCAACAGCTGCTGACAGGGACCTGCCATTCTCAGGAACAAGAGAAT
GCAGGCAGGCAAATGGCATTACTGCCCTGCTCCTCCCCACCCCTGTCATGTGATTCCAG
GCACCAGGGCAGGCCAGAAGCCCAGCAGCTGTGGAAAGGAACCTGCCTGGGCCACAGG
TGCCCCTCCCCACCCCTGCAGGACAGGGGTGTCTGTGGACACTCCCACACCCACTG
TACCAAGCAGCGTCTCAGCTTCCCTCCTTACCCCTTACGATAACATCACGCCAGC
CACGTTTTGAAAATTCTTTGGGGCAGCAGTTCCCTTTAAACTTAA
ATAAATT (SEQ ID NO:42)

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Protein Sequence for CG50817-04 ORF Start: 520 ORF Stop: 1192 Frame: 1

Protein Sequence:

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>CG50817-04-prot 224 aa
MSDEDSCVACGSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLAAHCFIGR
QAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALLLAQPVTLGASLRPLCLPYA
DHHLPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSLRHAAPGGDGSPILPGMVCTS
AVGELPSCEANQPAADRGPGHSQEKENAGRQMALLPLSSPPCHV (SEQ ID NO:43)

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Figure 17. Nucleotide and Protein Sequences for CG50817-05.

Nucleotide sequence encoding the Peptidase-like protein of the invention.

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>CG50817-05
CGCTGGGCCTCTGCTGATGCTGAGCTCCCTGGTGTCTCGCTGGTTCTGTCTAC 60
CTGGCCTGGATCTGTTCTCGTGTCTATGATTCTGCATTGTTGTATCACCACTAT 120
GCTATCAACGTGAGCCTGATGTGGCTCAGTTCCGGAAGGTCCAAGAACCCAGGGCAA 180

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CCCAAGCCTCAGGAGGGCAACACAGTCCCTGGCGAGTGGCCCTGGCAGGCCAGTGTGAGG 240
 AGGCAAGGAGCCCACATCTGCAGCGGCTCCCTGGCAGACACCTGGGTCTCACTGCT 300
 GCCCACTGCTTGAAAAGGCAGCAGCAACAGAACTGAATTCTGCGTGAGGGACTCAGCC 360
 CCTGGGGCGAAGAGGTGGGGTGGCTGCCCTGCAGTTGCCAGGGCTATAACCACTAC 420
 AGCCAGGGCTCAGACCTGGCCCTGCTGCAGCTGCCACCCACGCCACACACCCCTC 480
 TGCCTGCCCGAGCCGCCATCGCTCCCTGGAGCCTCTGCTGGGCACTGGCTGG 540
 GATCAGGACACCAGTGTCTGGACCCACTCGCAATCTGCCTGCCTCATCAGT 600
 CGCCCCACATGTAAGTACTATCACAAACAGCTGCCACGCCACCTGTCACCCGGCC 660
 CGGCTGGGATGCTATGTGGGGCCCCCAGCCTGGGTGAGGGCCCTGTCAGGGAGAT 720
 TCCGGGGGCCCTGTGCTGCTCGAGCCTGACGGACACTGGGTTAGGCTGGCATCATC 780
 AGCTTGCACTCAAGCTGTGCCAGGAGGACGCTCTGTGCTGACCAACACAGCTGCT 840
 CACAGTTCCCTGGCTGCAGGCTCGAGTTAGGGGAGCTTCTGGCCAGAGCCCAGAG 900
 ACCCCGGAGATGAGTGTAGGACAGCTGTGTAGCCTGTGGATCCTGAGGACAGCAGGT 960
 CCCCAGGCAGGAGCACCCCTCCCCATGCCCTGGGAGGCCAGGCTGATGCACCAAGGGACAG 1020
 CTGGCCTGTGGCGGAGCCCTGGTGTAGAGGAGGCGGTGCTAAGTCTGCCACTGCTTC 1080
 ATTGGGCAGGCCAGGCCAGAGGAATGGAGCGTAGGGCTGGGACCCAGACGGAGGTGG 1140
 GGCCCTGAAGCAGCTCATCCTGCATGGAGCTACACCCACCCCTGAGGGGGCTACCGACATG 1200
 GCCCTCTGCTGCTGGCCAGCCTGTGACACTGGGAGGCCAGCCTGCCCTCTGCCTG 1260
 CCCTATGCTGACCAACACCTGCCTGATGGGAGCGTGGCTGGTTCTGGACGGGCCGC 1320
 CCAGGAGCAGGCATCAGCTCCCTCCAAGACAGTCCCCTGACCCCTCTGGGCTAGGGCC 1380
 TGCAAGCCGGCTGCATGCAGCTCTGGGGTGTAGGCAGCCATTCTGCCGGGATGGTG 1440
 TGTACCAAGTGTGGGTGAGCTGCCAGCTGTGAGGCCAACCAACCAGCTGCTGACAGG 1500
 GGACCTGGCATTCTCAGGAACAAGAGAATGCAGGCAGGAAATGGCATTACTGCCCTG 1560
 TCCTCCCCACCCCTGTATGTGATTCAGGC 1592
 (SEQ ID NO:44)

Protein sequence encoded by the coding sequence shown above.

>CG50817-05
 MLLSSLVSLAGSVYLAWLFFVLYDFCIVCITYAINVSLMWLSFRKVQEPOQGPQPKPQEG 60
 NTVGEWPWQASVRRQGAHICSGSLVADTWVLTAAHCFEKAATELNSVRDSAPGAEEV 120
 GVAALQLPRAYNHYSQGSDLALLQLAHPTTHTPLCLPQPAHRFPFGASCWATGWDQDTSD 180
 APGTLRNRLRLISRPTCNCIYNQLHQQRHLSNPARPGMLCGGPQPGVQGPCQGDSSGPVL 240
 CLEPDGHWVQAGIISFASSCAQEDAPVLLNTAAHSSWLQARVQGAFLAQSPETPEMSD 300
 EDSCVACGSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLAAHCFIGRQAP 360
 EEWSVGGLTRPEEWGLKQLILHGAYTHEPEGGYDMALLLLAQPVTLGASLRPLCLPYADHH 420
 LPDGERGWVLGRARPGAGISSLQTVPTLLGPRACSRLHAAPGGDGSPILPMVCTSAGV 480
 ELPSCEANQPAADRPGPHSQEQENAGRQMALLPLSSPPCHV 521
 (SEQ ID NO:45)

Figure 18. Nucleotide and Protein Sequences for CG50817-06.

Nucleotide sequence encoding the Peptidase-like protein of the invention.

>CG50817-06
 AGCGACACCTGTCCAACCCGGCCCTGGGATGCTATGTGGGGCCCCCAGCCTGGGG 60
 TGCAGGGCCCTGTCAAGGAGATTCCGGGGCCCTGTGCTGTGCCCTGAGCCTGACGGAC 120
 ACTGGGTTCAAGCTGGCATCATCAGCTTGCACTAAGCTGCCCAGGAGGACGCTCTG 180
 TGCTGCTGACCAACACAGCTGCTCACAGTCTGGCTGCAGGCTCAGTTAGGGCAG 240
 CTTTCTGGCCAGAGCCCAGAGACCCGGAGATGAGTGTAGGAGCAGCTGTAGCCT 300
 GTGGATCCTGAGGAACAGCAGGTCCCCAGGCAGGAGCACCCCTCCCATGCCCTGGGAGG 360
 CCAGGCTGATGCAACAGGACAGCTGGCTGGCGAGCCCTGGTGTAGAGGAGGGCGG 420
 TGCTAACTGCTGCCACTGCTTCACTGGGCGCCAGGCCCCAGAGGAATGGAGCGTAGGGC 480
 TGGGGACAGACCGGAGGAGTGGGGCTGAAGCAGCTCATCTGCATGGAGCCTACACCC 540
 ACCCTGAGGGGGCTACGACATGGCCCTCTGCTGTGACACTGGGAG 600
 CCAGCCTGCCGCCCTCTGCCCTGCCCCATGCTGACCCACCTGCCATGGGGAGCGTG 660
 GCTGGGTTCTGGGACGGGCCAGGAGCAGGCATCAGCTCCCTCCAGACAGTCCC 720
 TGACCCCTCTGGGGCTAGGGCCTGAGCCGGCTGCATGCGAGCTCTGGGGTGTAGGGCA 780
 GCCCTATTCTGCCGGGGATGGTGTGACAGCTGTGCTGTGGGTGAGCTGCCAGCTGTGAGG 840
 CCAACCAACCAGCTGCTGACAGGGGACCTGCCATTCTCAGGAACAAGAGAATGCAGGCA 900
 GGCAAATGGCATTACTGCCCTGTCCCTCCCCACCCGTATGTGATTCAGGCACCAG 960

GGCAGGCCAGAACCCAGCAGCTGGGAAGGAACCTGCCTGGGCCACAGGTGCCAC 1020
TCCCCACCCCTGCAGGACAGGGGTGTCGTGGACACTCCCACACCAACTGCTACCAAG 1080
CAGGCGTCTCAGCTTCCCTCCCTTACCCCTTCAGATAACAATCACGCCAGCCACGTG 1140
TTTGAAAATTCTTTGGGGGCAGCAGTTTCTTTAACTTAAATAAATT 1200
(SEQ ID NO:46)

Protein sequence encoded by the coding sequence shown above.

>CG50817-06
MLCQQPQPGVQGPCQGDGGPVLCLEPDGHWVQAGIISFASSCAQEDAPVLLNTAAHSS 60
WLQARVQGAFLAQSPETPEMSDEDSCVACGSLRTAGPQAGAPSPWPWEARLMHQQLAC 120
GGALVSEEAVLTAAHCFIGRQAPEEWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALL 180
LLAQPVTLGASLRPLCLPYADHHLPDGERGWVLGRARPAGISSLQTVPTLLGPRACSR 240
LHAAPGGDGSPILPGMVCTSAGELPSCEANQPAADRGPGHSQEKENAGRQMALLPLSSP 300
PCHV 304
(SEQ ID NO:47)

Figure 19. Nucleotide and Protein Sequences For CG51099-03.

Nucleotide sequence encoding the Serine Protease-like protein of the invention.

>CG51099-03
CGGAGAGACCGAGTCGGCTGCCACCCCGGGATGGGTCGCTGGTGCAGACCGTCGCGCGC 60
GGGCAGCGCCCCCGACGTCCTGCCCCCTCCCGCCGGTGCCCTGCTGCTGCTTCTG 120
TTGCTGAGGTCTGCAGGTGCTGGGCCAGGGAAAGCCCCGGGGCGCTGTCCACTGCT 180
GATCCCAGCCGACCAGAGCGTCCAGTGTCTCCAAGGCCACCTGCTCCTCCAGCCGCCT 240
CGCCTTCTCTGGCAGACCCGACCACCCAGACACTGCCCTGACCACCATGGAGACCAA 300
TTCCCAGTTCTGAAGGCAAAGTCGACCCATACCGCTCCTGTCAGGCTTCTACGAGCAG 360
GACCCCACCCCTCAGGGACCCAGAACAGCCGGCTGGCTCGGGCTGGGCTGGATGGTCAGCGTG 420
CGGGCAATGGCACACACATCTGTGCGGCCACCATCATTGCCCTCCAGTGGTGCTGACT 480
GTGGCCCACTGCGTGTGATCTGGCTGATTTACTCAGTGTGAGGGTGGGAGTCCGTGG 540
ATTGACCAAGATGACCGAGACCGCTCCGATGTGCCCCGGCTCCAGGTGATCATGCATAGC 600
AGGTACCGGGCCAGCGGTTCTGGTCTGGGTGGGCCAGGCCAACGACATCGGCCTCC 660
AAGCTCAAGCAGGAACACTCAAGTACAGCAATTACGTGCGGCCATCTGCCCTGGCACG 720
GACTATGTGTTGAAGGACCATCCCGCTGCACTGTGACGGCTGGGACTTCCAAGGCT 780
GACGGCATGTGGCCTCAGTCCGGACCATTCAGGAGAAGGAAGTCATCATCCTGAACAAAC 840
AAAGAGTGTGACAATTCTACCAACACTCACCAAAATCCCCACTCTGGTTCAGATCATC 900
AAAGTCCAGATGATGTGCGGAGGACACCCACAGGGAGAAGTCTGCTATGAGCTAACT 960
GGAGAGCCCTTGGTCTGCTCCATGGAGGGCACGTGGTACCTGGTGGGATTGGTGAGCTGG 1020
GGTGCAGGCTGCCAGAAGAGCGAGGCCACCCATCTACCTACAGGTCTCCCTACCAA 1080
CACTGGATCTGGACTGCCCTCAACGGGCAGGCCCTGGCCCTGCCAGCCCCATCCAGGACC 1140
CTGCTCTGGCACTCCACTGCCCTCAGCCTCTGCTGCCCTCTGACTCTGTGCCC 1200
TCCCTCACTTGTGA 1214
(SEQ ID NO:48)

Protein sequence encoded by the nucleotide sequence shown above.

>CG51099-03
MGRWCQTARGQRPRTSAPSRA�LRLRSAGCWGAGEAPGALSTADPADQSVQCV 60
PKATCPSSRPRLLWQTPTTQTLPSMETQFPVSEGKVDPYRSCGFSYEQDPTLRDPEAV 120
ARRWPWMVSRANGTHICAGTIIASQWVLTVAHCLIWRDVIVYRVGSPWIDQMTQTASD 180
VPVLQVIMHSRYRAQRFWSWVGQANDIGLLKLKQELKSNYVRPICLPGTDYVLKDHSRC 240
TVTGWLGSKADGMWPQFRTIQEKEVIIILNNKECDNFYHNFTKIPTLVQIJKSQMMCAEDT 300

HREKFCYELTGEPLVCSMEGTWYLVGLVSWGAGCQKSEAPPIYLQVSSYQHWIWDCLNGQ 360
 ALALPAPSRTLLALPLPLSLLAAL 385 (SEQ ID NO:49)

Figure 20. Nucleotide and Protein Sequences For CG57051-04.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-04.

```
>CG57051-04
TCGGGATCCTCACACGACTGTGATCCGATTCTTCCAGCGGCTCTGCAACCAAGCGGGT 60
CTTACCCCCGGTCTCCCGCTCCAGTCCTCGCACCTGGAACCCCACGCCCCGAGAG 120
TCCCCGAATCCCCGCTCCAGGCTACCTAACGAGGATGAGCGGTGCTCGACGGCCGGGC 180
AGCCCTGATGCTCTGCGCCGCCACCGCCGTGCTACTGAGCGCTAGATCTGGACCCGTGCA 240
GTCCAAGTCGCCCGCCTTGCGTCCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCT 300
GCAGCTCGGCCAGGGGCTCGCGAACACGCGGAGCGCACCCGCACTCAGCTGAGCGCGCT 360
GGAGCGGCGCCTGAGCGCGTGCAGGGTCCGCTGTCAGGGAACCGAGGGTCCACCGACCT 420
CCCGTTAGCCCCCTGAGAGCCGGGTGACCCCTGAGGTCTTCACAGCCTGCAGACACA 480
CAAGGCTCAGAACAGCAGGATCCAGCAACTCTTCACAAAGGTGGCCCAGCAGCAGCGGCA 540
CCTGGAGAACGAGCACCTGCGAATTAGCATCTGCAAAGCCAGTTGGCCTCTGGACCA 600
CAAGCACCTAGACCATGAGGTGGCCAAGCCTGGCCAGAAAAGAGGCTGCCCCAGATGGC 660
CCAGCCAGTTGACCCGGCTCACAAATGTCAGCCGCTGACCCGAGGCTGGTGGTTGGCAC 720
CTGCAGGCCATTCCAACCTCAACGCCAGTACTTCCGCTCCATCCCACAGCAGCGGAGAA 780
GCTTAAGAACGGGAATCTTCTGGAAGACCTGGCGGGCCGCTACTACCCGCTGAGGCCAC 840
CACCATGTTGATCAGCCATGGCAGAGGCCAGCCTCTAGCGTCTGGCTGGCCTG 900
GTCCCAGGCCACGAAAGACGGTGA C T T G G C T G 937 (SEQ ID NO:50)
```

Protein sequence encoded by the nucleotide sequence shown above.

```
>CG57051-04
MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE 60
RTRSQLSALERLSACGSACQGTEGSTDPLAPESRVDPEVLHSLOQLKAQNSRIQLF 120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKHLDHEVAKPARRKRLPEMAQPVDPAHNCSR 180
LHRGWWFGTCSHSNLNGQYFRSIPQQRQKLKGIFWKTWRGRYYPLQATTMLIQPMAAEA 240
AS 242 (SEQ ID NO:51)
```

Figure 21. Nucleotide and Protein Sequences For CG57051-05.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-05.

```
>CG57051-05
CTTCGTCCTCAGTCCTCGCACCTGGAACCCAAACGTCCCCGAGAGTCCCCGAATCCCCGC 60
TCCCAAGGCTACCTAACGAGGATGAGCGCGCTCCGACGGCGGGGAGCCCTGATGCTCTG 120
CGCCGCCACCGCCGTGCTACTGAGCGCTCAGGGCGACCCGTGCACTCCAAGTCGCCGCG 180
CTTTCGCTCCCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCTGCAGCTGGCCAGGG 240
GCTGCAGAACACGCCAGCGCACCCGCACTCAGCTGAGCGCGCTGGAGCGGCCCTGAG 300
CGCGTGCAGGGTCCGCTGTCAGGGAACCGAGGGTCCACAGCTCCGTTAGCCCCCTGA 360
GAGCCGGGGTGGACCCCTGAGGTCTTCACAGCCTGAGCACACAACACTCAAGGCTCAGAACAG 420
CAGGATCAGCAACTCTTCCACAAAGGCTGGCCAGCAGCAGCGCACCTGGAGAACAGCAGCA 480
CCTGCAGAATTAGCATCTGCAAAGGCCAGTGGCCTCTGGACCCACAAGCACCTAGACCA 540
TGAGGGTGGCAAGCTGCCGAAGAAAGAGGCTGCCAGAGATGGCCAGCCAGTTGACCC 600
GGCTCACAAATGTCAGCCGCTGCACCATGGAGGCTGGACAGTAATTAGCAGAGGCCACGA 660
TGGCTCAGTGGACTTCAACCGCCCTGGGAAGCCTACAAGGCGGGGTTGGGGATCCCCA 720
CGGCAGGTTCTGGCTGGGCTGGAGAACGGTCAAGCATCATGGGGACCGCAACAGCCG 780
CCTGGCCGTGCAGCTGCCAGTGGATGGCAACGCCAGTTGCTGCAGTTCTCCGTGCA 840
CCTGGGTGGCGAGGACACGCCCTATAGCCTGCAGCTCACTGCACCCGTGGCCAGCT 900
```

GGGCGCCACCACCGTCCCACCCAGCGGCCTCTCGTACCCCTCTCCACTTGGGACCAGGA	960
TCACGACCTCCGCAAGGACAAGAACTCGCCTAAGAGCCTCTCTGGAGGCTGGTGGTTGG	1020
CACCTGCAGCCATTCCAACCTCAACGCCAGTACTTCCGCTCCATCCCACAGCAGCGCA	1080
GAAGCTTAAGAAGGAATCTCTGGAAGACCTGGCGGGCGCTACTACCCGCTGCAGGC	1140
CACCACCATGTTGATCCAGCCATGGCAGCAGAGGCAGGCCCTAGCGTCCGGCTGGC	1200
CTGGTCCCAGGCCACGAAAGAGGTGACTCTGGCTCTG 1239 (SEQ ID NO:52)	

Protein sequence for Angiopoietin-like protein, CG57051-05.

>CG57051_05	
MSGAPTAGAALMLCAATAVLLSAQGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLRLSACGSACQGTEGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF	120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKLDHEGGKPARRKRLPEMAQPVDPAHNCSR	180
LHHGGWTVIQRHHGDGSDFNRPWEAYKAGFGDPHGEFWLGLEKVHSIMGDRNSRLAVQLR	240
DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVFSTWDQDHDLRRD	300
KNCAKSLSGWWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFWKTRGRYYPLQATTMLIQ	360
PMAAEAAS 368 (SEQ ID NO:53)	

Figure 22. Nucleotide and Protein Sequences For CG57051-02.

Nucleotide sequence encoding the Angiopoietin-like protein of the invention.

>CG57051_02	
TGCGGATCCTCACACGACTGTGATCCGATTCTTCCAGCGGCTTCTGCAACCAAGCGGGT	60
CTTACCCCCGGTCTCCCGCTCTCCAGTCCTCGCACCTGGAACCCCAACGTCCCCGAGAG	120
TCCCCGAATCCCCGCTCCAGCTACCTAACAGAGGATGAGCGGTGCTCCGACGGCGGGC	180
AGCCCTGATGCTCTGCGCCACCGCGTGCTACTGAGCGCTAGATCTGGACCCGTGCA	240
GTCCAAGTCGCCGCGCTTGCGCTCTGGACGAGATGAATGTCCTGGCGCACGGACTCCT	300
GCAGCTCGGCCAGGGCTCGCGAACACCGGAGCGCACCCGAGTCAGCTGAGCGCGCT	360
GGAGCGGCCCTGAGCGCGTGCGGTGCGGCTGTCAGGAACCGAGGGTCCACCGACCT	420
CCCGTTAGCCCCCTGAGAGCCGGTGGACCTGAGGTCTTCACAGCCTGAGACACAAC	480
CAAGCGCTCAGAACAGCAGGATCAGCACCGCAACTCTTCCACAAAGGTGGCCAGCAGCGGC	540
CCTGGAGAACGCCATTGCGAATTCAAGCATCTGCAAAAGCCAGTTGGCTCTGGACCA	600
CAAGCACCTAGACCATGAGGTGCCAACCTGCCAGAACAGGGCTGCCAGATGGC	660
CCAGCCAGTTGACCCGGCTCACAAATGTCAGCCGCTGCACCATGGAGGCTGGACAGTAAT	720
TCAGAGGCCACGATGGCTCAATGGACTTCAACCGGCTTGGGAAGCCTACAAGGCCGG	780
GTTTGGGGATCCCCACGGCGAGTTCTGGCTGGTCTGGAGAAGGTGCATAGCATCACGGG	840
GGACCGCAACAGCCCTGGCGTGCACTGGGACTGGGATGGCAACGCCAGTTGGCT	900
GCAGTTCTCGTGACCTGGGCGAGGACACGCCCTAGGCCCTGAGCTCACTGCACC	960
CGTGGCCGGCCAGCTGGCGCACCGGCCACCGCTCCACCCAGCGGCCCTCCGTACCCCTCTC	1020
CACTTGGGACAGGATCACGACCTCCGAGGACAAGAACAGCCTCTGC	1080
CCCCATGGCTCAAAGACCTGACCATGTTCCCTCTCCCTGACCCGGCAGGAGGCTG	1140
GTGGTTTGGCACCTGCAAGCATTCAACCTCAACGCCAGTACTTCCGCTCCATCCCACA	1200
GCAGCGGCAGAACGCTTAAGAAGGAATCTCTGGAAGACCTGGCGGGCCGCTACTACCC	1260
GCTGCAGGCCACCACCATGTTGATCCAGCCATGGCAGCAGAGGCAGCCTCTAG 1315	
(SEQ ID NO:54)	

Protein sequence for CG57051-02.

>CG57051_02	
MSGAPTAGAALMLCAATAVLLSARSGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLRLSACGSACQGTEGSTDLPLAPESRVDPEVLHSLQTQLKAQNSRIQQLF	120
HKVAQQQRHLEKQHLRIQHLQSQFGLLDHKLDHEVGAKPARRKRLPEMAQPVDPAHNCSR	180
LHHGGWTVIQRHHGDGSDFNRPWEAYKAGFGDPHGEFWLGLEKVHSIMGDRNSRLAVQLR	240
DWDGNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVFSTWDQDHDLRRD	300
KNCAKSLAPSVAQRPDHVPSPLTPAGGWFGTCSHSNLNGQYFRSIPQQRQKLKKGIFW	360
KTWRGRYYPLQATTMLIQPMAAEAAS 386 (SEQ ID NO:55)	

Figure 23. Nucleotide and Protein Sequences For CG57051-03.

Nucleotide sequence encoding the Angiopoietin-like protein, CG57051-03.

>CG57051-03	
CCCGAGAGTCCCCGAATCCCCCTCCCAGGCTACCTAACGAGGATGAGCGGTGCTCCGAC	60
GGCGGGGGCAGCCCTGATGCTCTGCGCCGCCACCGCCGTGCTACTGAGCGCTAGGGCGG	120
ACCCGTGCAGTCCAAGTCGCCCGCTTGCGTCTGGGACGAGATGAATGTCCTGGCGCA	180
CGGACTCCTGCAGCTCGGCCAGGGCTGCGCGAACACCGGGAGCGCACCCGAGTCAGCT	240
GAGCGCGCTGGAGCGCGCTGAGCGCTGCGGTCCGGCTGTCAGGAAACCGAGGGTC	300
CACCGACCTCCCGTAGGCCCTGAGAGCGGGTGGACCTGAGGTCTTCACAGCCTGCA	360
GACACAACCTCAAGGCTCAGAACAGCAGGATCCAGCAACTCTTCACAAAGGTGGCCAGCA	420
GCAGCGCACCTGGAGAACAGCACCTGCGAATTTCAGCATGTCGAAAGCCAGTTGGCCT	480
CCTGGACCACAAGCACCTAGACCATGAGGTGGCCAAGGCTGCCGAAGAAAGAGGCTGCC	540
CGAGATGGCCCAGCCAGTTGACCCGGCTCAATGTCAGCCGCTGCAACATGGAGGCTG	600
GACAGTAATTTCAGAGGCGCACGATGGCTCAGTGGACTTCAACCGGGCCCTGGGAAGCCTA	660
CAAGGGGGTTGGGATCCCCACGGCGAGTTCTGGCTGGGTCTGGAGAAGGTCCATAG	720
CATCAGGGGGACCGCAACAGCCGCTGGCGTGCAGCTGCCGACTGGGATGACAACGC	780
CGAGTTGCTGCAGTTCTCCGTGCACCTGGGTGGCGAGGACACGGCTATAGCCTGCAGCT	840
CACTGCACCCGTGGCCAGCTGGCGCACCCAGCTGCCACCCAGCGGCCCTCTCCGT	900
ACCCCTCCCCACTTGGGACAGGATCACGACCTCCGCAGGGACAAGAAACTGCGCCAAGAG	960
CCTCTCTGGAGGCTGGTTGGCACCTGCAAGCCATTCAACCTCAACGGCCAGTACTT	1020
CCGCTCCATCCCACAGCAGCGCAGAACGCTTAAGAAGGAAATCTTCTGGAAGACCTGGCG	1080
GGGCCGCTACTACCCGCTGAGGCCACCACATGTTATCCAGCCATGGCAGCAGAGGC	1140
AGCCTCTAG	1150 (SEQ ID NO:56)

Protein sequence for CG57051-03.

>CG57051-03	
MSGAPTAGAALMLCAATAVLLSAQGGPVQSKSPRFASWDEMNVLAHGLLQLGQGLREHAE	60
RTRSQLSALERLILSACGSACQGTEGSTDPLAPESRVDPEVLHSLQTLKAQNSRIQQLF	120
HKVAQQQRHLEKHLRIQHLQSQFGLLDHKILDHEVAKPARRKRLPEMAQPVDPAHNCSR	180
LHHGGWTVIQRRHDGSVDFNRPWEAYKAGPFDPHGEFWGLEKVHSITGDRNSRLAVQLR	240
DWDDNAELLQFSVHLGGEDTAYSLQLTAPVAGQLGATTVPVPSGLSVPFPTWDQDHDLRD	300
KNCAKSLSGGWWFGTCSHSNLNQYFRSIPQQRQKLKKGI FWKTwRGRYYPLQATTMLIQ	360
PMAEEAAS	368 (SEQ ID NO:57)